



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

646.3012
Job Sheet 186714



Part No: 646.3012

Job Qty: 4 ea

Part Name: Lower Guide



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 11/20/18

Job Tracking No:

Due Date: 12/28/18

Created By: Marie Lajeunesse

Type: SOLD

Description:

Note: DWG REV N/C SHEETS 1,3,5,8,9 IPP REV:A NEW ISSUE 13/01/30 JFS VERIFY BY: JLM

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	4 Ea	12/28/18	12/28/18	0.00	0.00	Start Up Machining-1		
100	Bandsaw	4 pcs	12/28/18	12/28/18	0.00	0.29	Bandsaw1	604/50W - 1	DJP 19-03-05
110	CNC Vertical Machining	4 pcs	12/28/18	12/28/18	0.20	4.60	HAAS1-1		DJP 19-03-06
120	QC	4 pcs	12/28/18	12/28/18	0.00	0.00	QC2 Machining-1		DJP 19-03-06
130	QC	4 pcs	12/28/18	12/28/18	0.00	0.00	QC8 Machining-1		14 19-03-06
140	Outsource	4 pcs	12/28/18	12/28/18			ATG001-VC	5	63107120.9 PL
150	Packaging	4 pcs	12/28/18	12/28/18	0.00	0.00	Packaging2		DP MAR 21 2019
155	QC	4 pcs	12/28/18	12/28/18	0.00	0.00	QC6		
180	Packaging	4 pcs	12/28/18	12/28/18	0.00	0.00	Packaging3-1	0.13	APR 02 2019
190	QC21-SA	4 Ea	12/28/18	12/28/18	0.00	0.00	QC21		21

Part Op 100 - Cut Blank at 27.500" ***ONE BLANK MAKE TWO PARTS***

Descriptions: 110 - 1-Machine per folio FB159

140 - Issue P/O to ATG : _____ Hard Anodize, Color Black and Prime as per Dwg 646.3000

180 - ***IDENTIFY AS PER APICAL MPP-120 BY STAMPING P# AND REV***

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
M7075T6S0.375X8.000	7075-T6S Sheet .375" Thick Plate X 8" Wide	4.5840 ft (1.146 ea)	90-Start up Operation	S155823

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	M7075T6S0.375X8.000	5	7	0

Part Specifications

Spec No	Description	Target/Tolerance	Limits	Type	Special Comments
1	Lower Guide	0.125inches $\pm$ 0.005	0.130 0.120		0.125"
2	Lower Guide	45.000Degrees $\pm$ 0.500	45.500 44.500	45° Angle	
3	Lower Guide	0.375inches $\pm$ 0.005	0.380 0.370		0.374
4	Lower Guide	0.250inches $\pm$ 0.005	0.255	Radius	0.250

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

				0.245	
5	Lower Guide	0.209inches	+ 0.005 - 0.001	0.214 0.208	0.209 Diameter
6	Lower Guide	0.177inches	+ 0.005 - 0.001	0.182 0.176	0.177 Diameter
7	Lower Guide	0.250inches	± 0.005	0.255 0.245	0.250

DJP 19-03-06

Plex 11/20/18 1:07 PM Dart.lajeunesse.marie



Container No: S159383



Part: 646.3012

Job No: 186714

Serial No/Batch: S159383

Revision:

Inspector:

Exp Date:

Instructions:

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Date: 03/05/19

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐																																							
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OTHER :																																																															



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Canada

Tel (613) 632-5200

PURCHASE ORDER

PO042839



Supplier: ATG001-VC
A.T.G. Industries Inc
731 INDUSTRIELLE ROAD
ROCKLAND
ON
K4K 1T2 Canada
Phone: 613-446-4544
Fax: 613-446-4556

Attention: Lalande, Marc-Andre

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: PO042839

PO Date: 3/8/19

Due Date: 3/15/19

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Belanger, NatashaPhone:

Via: Ground

Pymt Terms: Net 30

Freight Terms:

Special Comments:

Items

Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	191260	HT-900-NC-09A	Filter Base Outsource4 (Outsource process- Anodize per QSI017 4.1.10.1) -Issue P/O to GROUPE ALTECH PO: -ANODIZE COLOR BLACK, PER IAW MIL-A- 8625F TYPE 2 CLASS 2, Water sealant -Certificate of Conformity is required	Received -		3/15/19	4 pcs	4 pcs	0 pcs	\$3.72/pcs	\$0.00

Line Item Note **Need back for March 15,2019**



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PURCHASE ORDER

PO042839



Items

Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
2	189092	RBT18538-1	Left Seat Brace -Issue P/O to ATG: -ANODIZE COLOR CLEAR, PER IAW MIL-A- 8625F TYPE 2 CLASS 1, Water sealant -Certificate of Conformity is required	Received	-	3/15/19	21 pcs	21 pcs	0 pcs	\$3.72/pcs	\$0.00
Line Item Note **Need back for March 15,2019**											
3	189093	RBT18538-3	Right Seat Brace -Issue P/O to ATG: -ANODIZE COLOR CLEAR, PER IAW MIL-A- 8625F TYPE 2 CLASS 1, Water sealant -Certificate of Conformity is required	Received	-	3/15/19	9 pcs	9 pcs	0 pcs	\$3.72/pcs	\$0.00
Line Item Note **Need back for March 15,2019**											
	186665			Received	-	3/15/19	10 pcs	10 pcs	0 pcs	\$3.72/pcs	\$0.00
Sub Total:							19	19	0		\$0.00
4	R190195	C2-1-1	Manual Release Knob (Outsource process- Anodize per QSI017 4.1.10.1)-Issue P/O to ATG : PO -ANODIZE COLOR RED, PER IAW MIL- A-8625 TYPE-2 CLASS-2, Water sealant -Certificate of Conformity is required	Received	-	3/15/19	5 pcs	5 pcs	0 pcs	\$3.72/pcs	\$0.00



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PURCHASE ORDER

PO042839



Items

Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
Line Item Note **Need back for March 15,2019**											
5	R190194	4.5NR-32	Manual Release Knob RED ANODIZE PER MIL-A-8625 TY II CL 2	Received	-	3/15/19	22 pcs	22 pcs	0 pcs	\$3.72/pcs	\$0.00
Line Item Note **Need back for March 15,2019**											
6	186714	646.3012	Lower Guide Issue P/O to ATG : Hard Anodize, Color Black and Prime as per Dwg 646.3000	Firmed	-	3/15/19	4 pcs	0 pcs	4 pcs	\$21.32/pcs	\$85.28
Line Item Note **Need back for March 15,2019**											
	187494			Firmed	-	MAR 21 2019	8 pcs	0 pcs	8 pcs	\$21.32/pcs	\$170.56
Sub Total:							12	0	12		\$255.84
7	190533	RBW109-3130-34-1-1	Cylinder, Ø2-5/8 X 4-1/2 -Issue P/O; -ANODIZE COLOR CLEAR, PER IAW MIL-A-8625F TYPE 2 CLASS 1, Water sealant -Material type; 6061T6 -Certificate of Conformity is required	Received	-	3/15/19	5 pcs	5 pcs	0 pcs	\$3.72/pcs	\$0.00
Line Item Note **Need back for March 15,2019**											
Grand Total:											\$255.84



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PURCHASE ORDER

PO042839



Order Notes

Procurement Quality Clauses

A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)

A022 Apical Processing
A024 process certifications
A026 certification of material conformance

A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

A handwritten signature in black ink, likely belonging to Patrick Lussier, is written over the bottom right portion of the Order Notes section.

Plex 3/21/19 1:29 PM dart.Lussier.Patrick



A.T.G. Industries Inc.
760 Industrielle Street
Rockland, ON K4K 1T2
Canada

Ph: (613) 446-4544

Fax: (613) 446-4556

Pack List

Number: 917502

Date: 20-Mar-19

To

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ship To

Chrisoula Tsimiklis
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ph: 613 632-9577

Fax: 613 632-1053

Ph: 613 632-9577

Fax: 613 632-1053

Terms		Ship Via	
		ATG Delivery	
Quantity	Description		
	Please reference this document's Pack List number on all correspondences regarding this shipment. If you have any questions, please contact us.		
12 ea	Part: 646.3012 Lower Guide Hard Black Anodize per MIL-A-8625F, Type III, Class 2, .0005-.0045" (.5 - 4.5mils) Prime per MIL-PRF-23377, Type I, Class N (Customer Supplied), .0006-.0009" (.6 - .9 mils) per drawing. Job: 24758	Rev: NC	PO: PO042839 Line: 7-8
CERTIFICATE OF CONFORMANCE A.T.G Industries Inc. certifies that all items in this shipment conform to the requirements. Date: <u>MAR 20 2019</u> Certified Signature: <u></u> Receiver Signature: _____ A.T.G Industries Inc. is AS9100 Registered and Nadcap Chemical Processing Accredited. Note: This Packing Slip may contain parts that have been PLATED. Items that are plated may be subject to natural tarnishing and it is suggested that they be inspected within 24 hours of receipt.			
Made in Canada.			